

## **Контроллер BS-IR24B (12/24V, 108/216W, ПДУ 24кн)**

### **Features**

BS-IR24B controller is a smart RGB three colors light controller dedicated to long-illumination LED light, using the most advanced PWM (Pulse Width Modulation) digital control technology, the controller can be operated through IR wireless remote controller. The installation of LED controller can apply to commercial or home lighting on different occasion with different environment, extend the LED life span, and save energy; LED RGB lights can use this controller to decolorize.



### **Technology specifications**

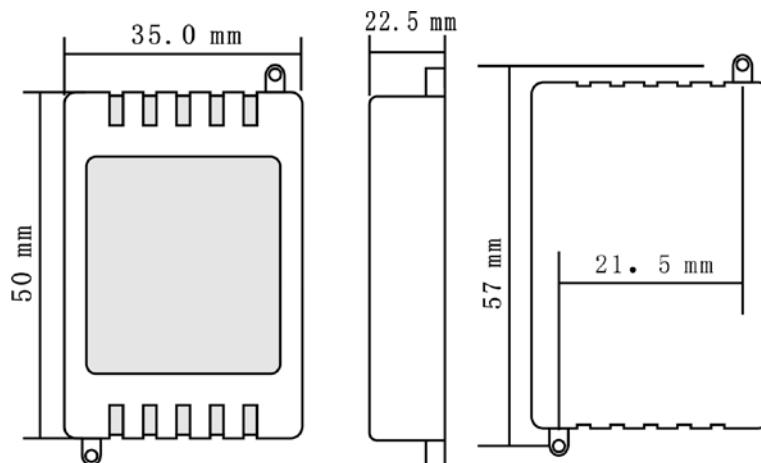
• Input power	DC12V~24V
• Output signal	Three ways RGB
• Max load current	3A*3
• Output power	108W(12V)/216W(24V)
• Controller dimension	L62×W35× H22 (mm)
• Remote dimension	L85×W52×7(mm)

### **Functions**

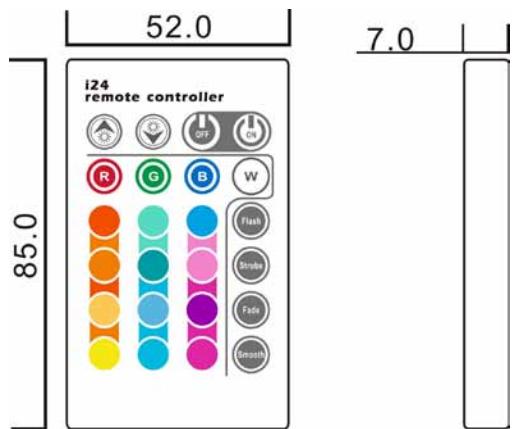
1. RGB full colors LED strip controller.
2. Control way: IR remote control, it is available in 8-meter (No barriers).
3. Display: 16 static, 3 colors jump change, 7 colors jump change, 3 colors gradual change, 7 colors gradual change and user defined colors;
4. Brightness of static can adjust.
5. Having memory when power fails.
6. RGB three channels signal (Common anode)

### **Structure**

#### **• View of major controller:**

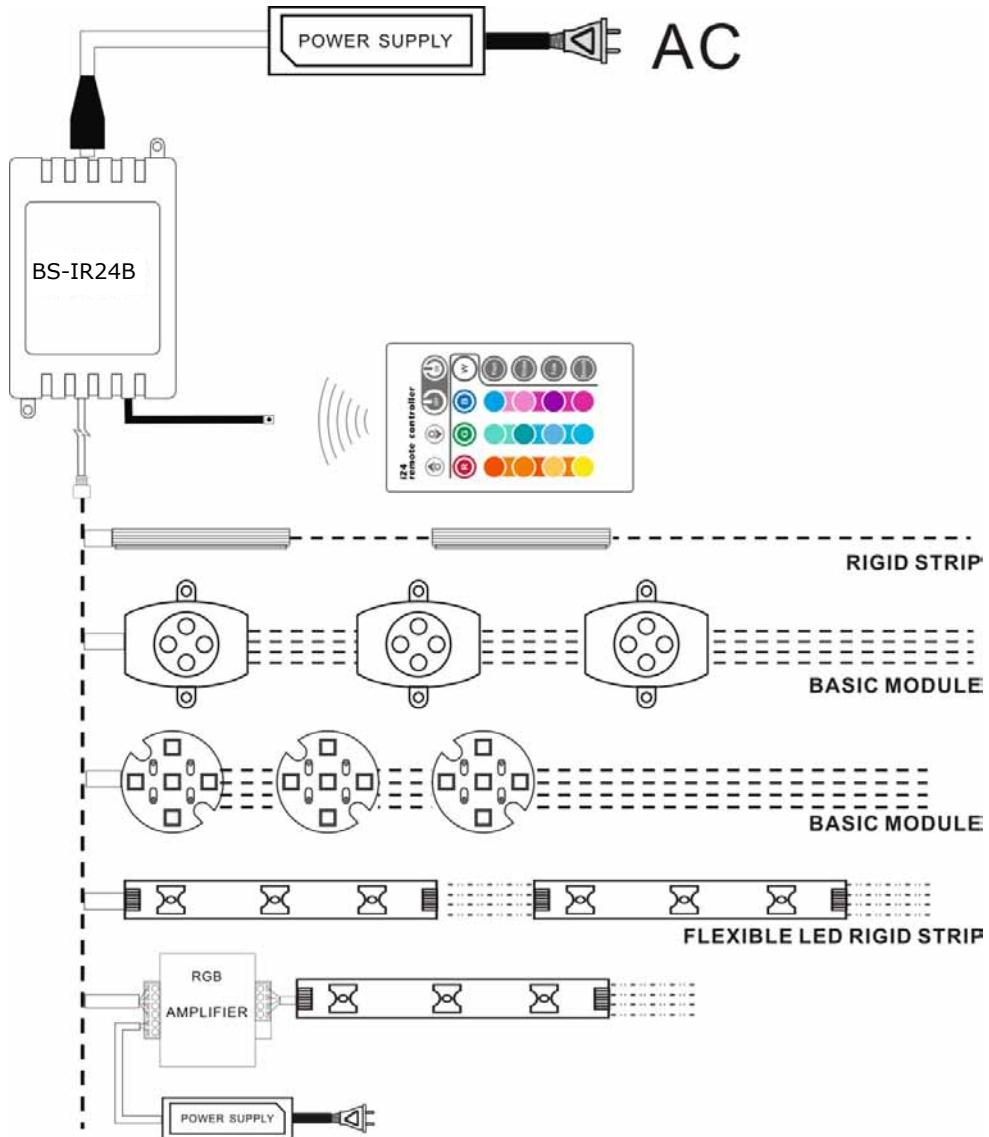


#### **• View of remote controller:**



## Connection diagram of controller

- Connection diagram to low power LED:



- Descriptions for panel and remote controller keys:

	Light up		Light down		Off		On
	Static red		Static green		Static blue		Static white
	Static orange		Static light green		Static deep blue		FLASH
	Static deep yellow		Static cyan		Static blue purple		STROBE
	Static yellow		Static light blue		Static purple		FADE
	Static light yellow		Static sky blue		Static brown		SMOOTH

### Additional remarks:

**FLASH** --- jumpy change; 0.5 second per color

**STROBE** --- jumpy change; 3 seconds per color

**FADE** --- gradual change; 3 seconds per color

**SMOOTH** --- gradual change; 60 seconds per color

## Failure analysis and solutions:

Failures	Analysis	Solutions
No light	1. No power. 2. Reversed polarity connection. 3. Wrong connection or poor contact. 4. LED light has been bad.	1. Check the power 2. Make sure the polarity is right. 3. Re-check wire connection.
Brightness of LED is not consistent	1. Input wire is too long to cause wire loss. 2. Diameter of wire is too thin to cause wire loss. 3. Power overload. 4. Controller overload.	1. Shorten wire or use loop circuit. 2. Calculate the current, and then replace for a thicker wire. 3. Replacement of a larger power. 4. Add a power amplifier.

**Tips:** The effective power is generally only 80% of the marked power, so it is recommended in selecting the power supply, the user choose a slightly larger one than the LED load power, at least for more than 20%.

## Packaging:

Name	Picture	External dimension (mm)	QTY	Unit
Контроллер BS-IR24B (12/24V, 108/216W, ПДУ 24кн)		L62*W35*L22(mm)	1	PCS
IR remote		L125×W57×L7(mm)	1	PCS
User Manual	T863 (RGB)i44	A6 sheet	1	PCS